

Product datasheet

Anti-PHACTR4 antibody [EP12543] ab192882

RabMAb

★ ★ ★ ★ ★ [1 Abreviews](#) [1 References](#) [4 Images](#)

Overview

Product name	Anti-PHACTR4 antibody [EP12543]
Description	Rabbit monoclonal [EP12543] to PHACTR4
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	SH-SY5Y, MCF7 and Y9 cell lysates; Human brain tissue; SH-SY5Y cell line.
General notes	<p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP12543
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab192882 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/180. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★ ★ ★ ★ ★ (1)	1/1000 - 1/10000. Detects a band of approximately 70 kDa (predicted molecular weight: 78 kDa).
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

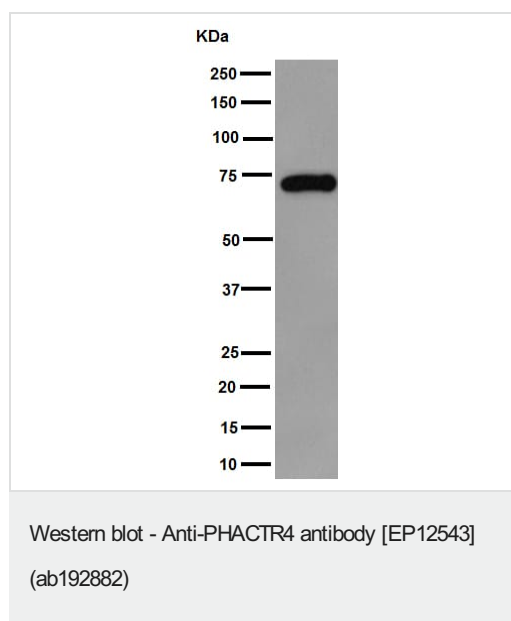
Sequence similarities

Belongs to the phosphatase and actin regulator family.
Contains 3 RPEL repeats.

Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Images



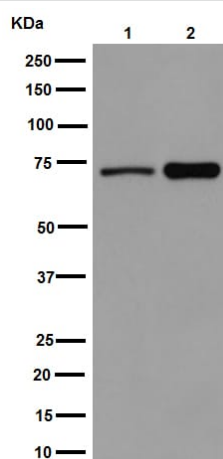
Anti-PHACTR4 antibody [EP12543] (ab192882) at 1/10000 dilution
+ SH-SY5Y cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 78 kDa

Observed band size: 70 kDa



Western blot - Anti-PHACTR4 antibody [EP12543] (ab192882)

All lanes : Anti-PHACTR4 antibody [EP12543] (ab192882) at 1/1000 dilution

Lane 1 : MCF7 cell lysate

Lane 2 : Y79 cell lysate

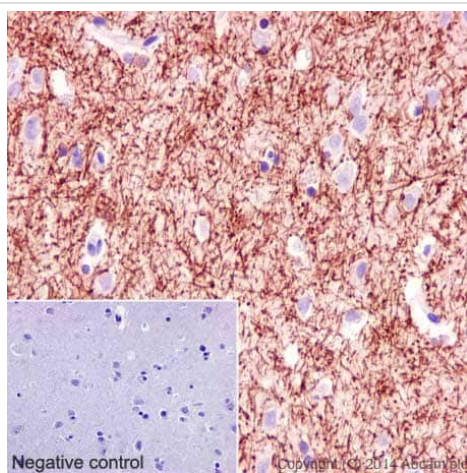
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 78 kDa

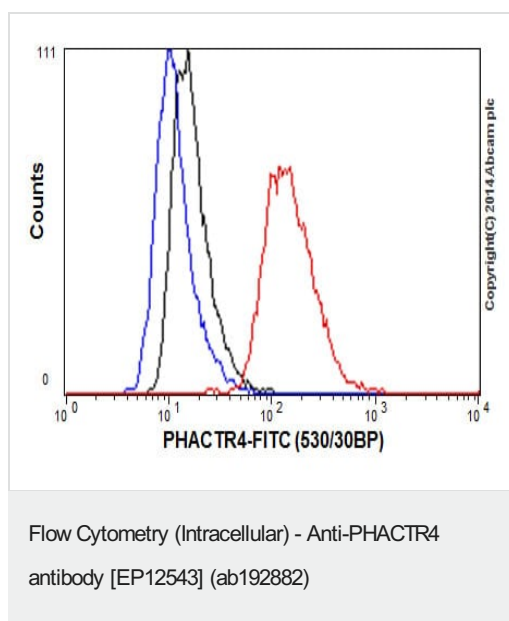
Observed band size: 70 kDa



Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling PHACTR4 with ab192882 at 1/2000 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG as a secondary antibody. Counter stained with Hematoxylin. Negative control also shown.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PHACTR4 antibody [EP12543] (ab192882)



Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed SH-SY5Y cells labeling PHACTR4 using ab192882 at a 1/180 dilution (red). Goat anti rabbit IgG (FITC) was used as the secondary antibody at a 1/150 dilution. Isotype control Rabbit monoclonal IgG (black). Unlabeled control cells without incubation with primary and secondary antibody (blue).

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